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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3
ITAAC Closure Notification on Completion of ITAAC 2.5.01.03e [Index Number 515]

Ladies and Gentlemen:

In accordance with 10 CFR 52.99(c)(1), the purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) of the completion of Vogtle Electric Generating Plant (VEGP) Unit 3 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.5.01.03e [Index Number 515]. This ITAAC verifies that the Diverse Actuation System (DAS) sensors identified in Combined License Appendix C Table 2.5.1-3 are used for DAS input and are separate from those being used by the Protection and Safety Monitoring System (PMS) and Plant Control System (PLS). The closure process for this ITAAC was based on the guidance described in NEI 08-01, "Industry Guideline for the ITAAC Closure Process under 10 CFR Part 52," which was endorsed by the NRC in Regulatory Guide 1.215.

This letter contains no new NRC regulatory commitments. Southern Nuclear Operating Company (SNC) requests NRC staff confirmation of this determination and publication of the required notice in the Federal Register per 10 CFR 52.99.

If there are any questions, please contact Kelli Roberts at 706-848-6991.

Respectfully submitted,


Michael J. Yox
Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3
 Completion of ITAAC 2.5.01.03e [Index Number 515]

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**Southern Nuclear Operating Company
ND-20-0758
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 3
Completion of ITAAC 2.5.01.03e [Index Number 515]**

ITAAC Statement

Design Commitment

3.e) The sensors identified on Table 2.5.1-3 are used for DAS input and are separate from those being used by the PMS and plant control system.

Inspections, Tests, Analyses

Inspection of the as-built system will be performed except for the core exit temperature sensor installation.

Acceptance Criteria

The sensors identified on Table 2.5.1-3 are used by DAS and are separate from those being used by the PMS and plant control system.

ITAAC Determination Basis

Inspection of the as-built Diverse Actuation System (DAS) was performed to demonstrate that the sensors identified in Combined License (COL) Appendix C Table 2.5.1-3 (Attachment A), except for the core exit temperature sensor installation, are used for Diverse Actuation System (DAS) input and are separate from those being used by the Protection and Safety Monitoring System (PMS) and Plant Control System (PLS).

The DAS System Specification Document (Reference 1) requires that the sensors identified in Attachment A be used for DAS input and are separate and independent from the sensor inputs in the PMS and plant control system. Construction drawing SV3-DAS-J0-001, (Reference 2), illustrates the DAS sensor flow and indication architecture. An inspection of Quality Release and Certificate of Conformance documentation, construction drawings, and completed construction records was performed in accordance with SV3-DAS-ITR-800515 (Reference 3), to confirm that the sensors identified in Attachment A were installed per the DAS sensor input requirements of Reference 1 and are separate from those being used by the PMS and plant control system.

The inspection results are documented in Reference 3 and confirm that the sensors identified in Attachment A are used by DAS and are separate from those being used by the PMS and plant control system.

References 1 through 3 are available for NRC inspection as part of the Unit 3 ITAAC 2.5.01.03e Completion Package (Reference 5).

ITAAC Finding Review

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company performed a review of all ITAAC findings pertaining to the subject ITAAC and associated corrective actions. This review found there are no relevant findings associated with the ITAAC. The ITAAC completion review is documented in the ITAAC Completion Package 2.5.01.03e (Reference 5) and is available for NRC review.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.5.01.03e was performed for VEGP Unit 3 and that the prescribed acceptance criteria were met.

Systems, structures, and components verified as part of this ITAAC are being maintained in their as-designed, ITAAC compliant condition in accordance with approved plant programs and procedures.

References (available for NRC inspection)

1. SV3-DAS-J4-001, "AP1000 Diverse Actuation System System Design Specification", Revision 3
2. SV3-DAS-J0-001, "Diverse Actuation System (DAS) Sensor Flow and Indication Architecture", Revision 1
3. SV3-DAS-ITR-800515, "Unit 3 Inspection Results of Diverse Actuation System (DAS) Sensor Hardware Diversity: ITAAC 2.5.01.03e NRC Index Number: 515", Revision 1
4. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52", Revision 5 - Corrected
5. 2.5.01.03e-U3-CP-Rev0, "ITAAC Completion Package"

Attachment A

*Excerpt from COL Table 2.5.1-3

*Equipment Name	*Tag Number
Reactor Coolant System (RCS) Hot Leg Temperature	RCS-300A
RCS Hot Leg Temperature	RCS-300B
Steam Generator 1 Wide-range Level	SGS-044
Steam Generator 1 Wide-range Level	SGS-045
Steam Generator 2 Wide-range Level	SGS-046
Steam Generator 2 Wide-range Level	SGS-047
Pressurizer Water Level	RCS-305A
Pressurizer Water Level	RCS-305B
Containment Temperature	VCS-053A
Containment Temperature	VCS-053B
Core Exit Temperature	IIS-009
Core Exit Temperature	IIS-013
Core Exit Temperature	IIS-030
Core Exit Temperature	IIS-034
Rod Control Motor Generator Voltage	PLS-001
Rod Control Motor Generator Voltage	PLS-002